CLAIMS

1.   A stereoscopic image generating apparatus
comprising:

     an input image storage memory comprising storage
areas corresponding to n viewing images inputted from an
outside for every frame, respectively; and

     an interleaver for interleaving the viewing images
in parallel by reading out image data to be sampled of the
viewing images from predetermined storage addresses of the
input image storage memory, and generating a stereoscopic
image to be displayed on a n-eye type of stereoscopic image
display apparatus.

2.   A stereoscopic image generating apparatus
comprising:

     a frame buffer for storing a frame of stereoscopic
images therein; and

     an interleaver, when n viewing images are inputted
from an outside for every frame in serial order, for
interleaving stereoscopic images stored in the frame buffer
with viewing images inputted, restoring the stereoscopic
images, and generating a stereoscopic image to be displayed
on a n-eye type of stereoscopic image display apparatus.

3.   A game apparatus comprising the stereoscopic image

generating apparatus as claimed in claim 1 and a n-eye type
of stereoscopic image display apparatus, further
comprising:

a game image generating section for generating game
images corresponding to n viewpoints for every frame; and

a game operating section for operating a
stereoscopic dynamic image game by making the stereoscopic
image generating apparatus generate a stereoscopic image on
the basis of the game images, and by making the
stereoscopic image display apparatus display the
stereoscopic image thereon.

4.   A game apparatus comprising the stereoscopic image
generating apparatus as claimed in claim 2 and a n-eye type
of stereoscopic image display apparatus, further
comprising:

a game image generating section for generating game
images corresponding to n viewpoints for every frame; and

a game operating section for operating a
stereoscopic dynamic image game by making the stereoscopic
image generating apparatus generate a stereoscopic image on
the basis of the game images, and by making the
stereoscopic image display apparatus display the
stereoscopic image thereon.